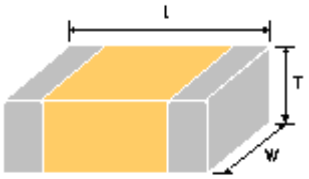
Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X7R 1nF 50V(0603B102K500CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0603 (1608)	1.60±0.10	0.80±0.10	0.80±0.07

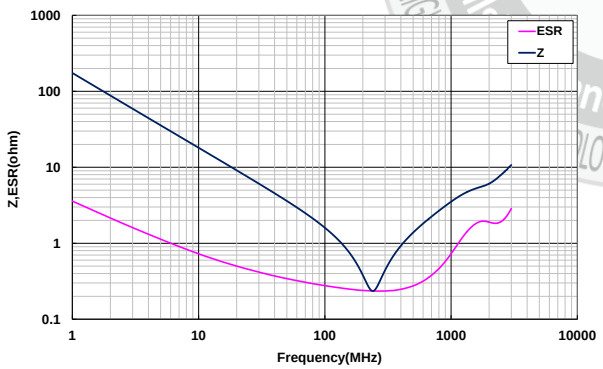
2. Cap, DF, IR @25℃

(Cap, DF @1KHz, 1Vrms ; IR @50V, 120sec)

Item	Spec
Cap [nF]	1 (±10%)
DF	≦2.5%
IR [G-ohm]	≥10

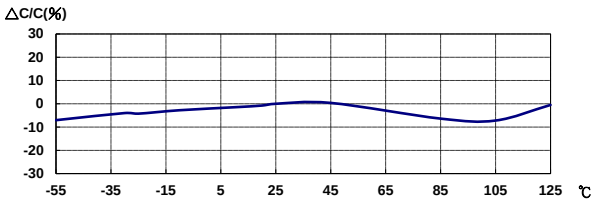
3. Impedance/ESR-Frequency

(Equipment: 4991B)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)

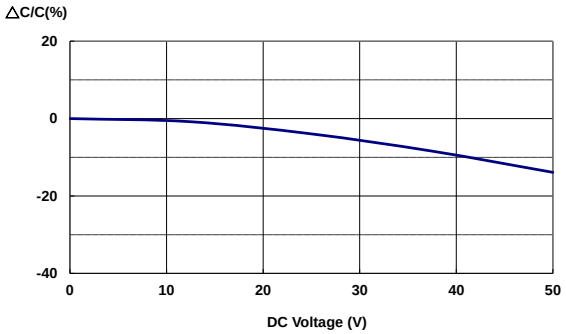


5. Capacitance – DC Voltage Characteristics

(Equipment: E4980A+B1505A+N1259A)

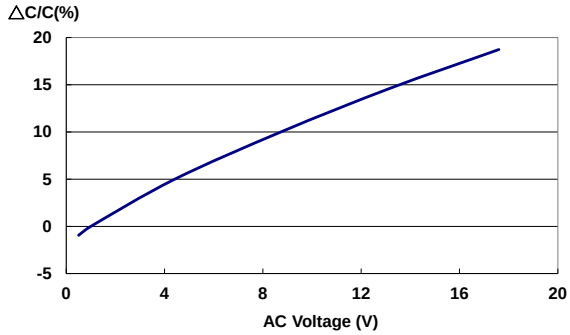
(DC charge 60±5sec)

25V : -3.95% ; 50V :-13.89%



6. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2022/10/7

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